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WORK OF THE FORESTRY BUREAU.

It is not to be expected of the forestry bureau that its work would keep pace with the destruction of the forests by fires and choppers—among whom the wood pulpers are to be rated the most active—but it is working persistently and patiently with a campaign of education illustrated by excellent results. Tree planting is not to be discouraged, but commended, even though the trees planted be not of the species best adapted to the particular soil selected by the individual. The fact of tree planting is indicative of an awakening to the necessity of action with reference to the forests and the woodlands, but the principal aim of the forestry bureau is to encourage the planting of trees on right lines, with special reference to adaptability of tree to soil and of soil to tree.

The bureau has taken special interest, of late, in the selection of trees best fitted to the Illinois prairies and to the prairies and the hills of the two Dakotas, and the gratifying report is that the farmers are taking kindly to the instructions embodied in the bulletins issued from the bureau.

Perhaps the most important of the recent steps of the bureau is in the establishment of wireless telegraphic stations in the forest reserves of the United States and Minnesota, the Dakotas and other of the western states for the purpose of warning the farmers, the lumbermen and the settlers of the breaking out of fires, to the end that preventative measures may be taken. In that the bureau has gone forward a long and a most valuable stride.

In the government forest reservations there is a force of men on hand at all times, and in conjunction with the state wardens and their forces the use of wireless telegraphy will do more for preservation of the forests than any other move could accomplish. The farmers will be the more readily prevailed upon to go into the business of tree planting on right lines, confident that vigorous steps will be taken to protect not only the old but the coming forests. It will, however, take patience and years to bring the forestry bureau of the United States and the bureaus of the several states to their proper position in the appreciation of the public. But the work is being done rightly and will be successful ultimately.—Cincinnati Commercial Tribune.

MONEY IN HORTICULTURE.

An eastern fruit buyer estimates the apple crop of Yakima valley at 400,000 boxes, says the Seattle Post-Intelligencer. This fruit will be marketed in earload lots in the principal cities of our country. Some shipments will probably be made to the orient and Alaska. To move the crop from the orchards to the markets will require at least 667 cars, or more than 16 trains carrying 40 cars each. An army of pickers and packers must be employed by the growers and many teams and wagons brought into use for hauling from the orchards to railroad stations.

Every fruit-growing section of Washington has a large apple crop. The orchards of Wenatchee and Walla Walla are loaded with choice fruits, and the growers are preparing for the harvest. In the Snake River valley similar conditions prevail, and wherever the Big Bend farmer has planted an orchard the trees are producing wonderful crops. The same is true of western Washington. Orchards are clean and fruits perfect. The market will therefore be supplied with excellent specimens of apples. Prices promise to be higher than in preceding years. Because of these things, the fruit growers have reason for rejoicing.

Horticulture, in its broadest sense, applies to general fruit and vegetable farming. It includes a field of diversified productions that remains almost undeveloped throughout the state. There are opportunities for engaging in this work in every county and almost every township. No man who gives the land and its products his careful attention makes a failure in life. The apple is one of the fruits that can be grown as a double profit crop. The trees occupy land that can be utilized for grasses, grains and cultivated crops before time for harvesting the fruits.

Because of the dual crop feature, there is a brilliant future for the horticulturist in Washington. With him the land extends as high above the surface as he permits the trees to grow. He may reap profit-

able harvests of potatoes and grasses or cereals by careful tillage of the land beneath the trees and between the rows. That which is overhead represents all profit. The trees will continue to grow and bear fruits indefinitely. Surely under these conditions there is money in modern horticulture. There is no danger of a period of over-production. The soil, climate and market demands insure success if man will do the work of planting, cultivating and harvesting.

WEATHER OBSERVATIONS.

The organization of the weather bureau connected with the federal department of agriculture is so thorough and its work so efficient that it is surprising to learn that Great Britain is evidently far behind us in the work of collecting climatological data. Dr. H. R. Mill of London in exhibiting rainfall charts before the British association, described the difficulties he had experienced in their preparation. Many observers were needed. He states that the organization installed by the late Mr. Symons had splendidly developed, and they had now over 4000, mostly voluntary, observers, of whom 300 might change every year. The records extended over 30 and more years, but in some parts, especially in the north, they had very few gauges. To arrive at average mean rainfalls over large areas they had to allow for the different distribution of the stations, for the different lengths of the records, and the configuration of the country. It was very difficult to determine the average fall for any particular day; in that case the hours of readings and the methods of entering had to be considered, in addition to other points. When averages for the whole year were computed, some of those difficulties became less serious; but the unequal lengths of the periods of observation and the absence of rain gauges in certain districts made the results uncertain. There were such gaps in Wales, and, though he understood the prejudices against piling up data, more information was required. Dr. Mill stated that the observation station at Southport was splendidly equipped, but this raises the inference that other stations in Great Britain are not in shape to do the desired work.—Tacoma Daily Ledger.

Judge Newburger, in the court of general sessions, has wisely denied the application of counsel to grant a special preference in the calling of the trial of the prisoner who was indicted for murder in the first degree in the notorious case of Caesar Young, the bookmaker. That trial will come up in due course. There has been often a disposition in murder cases to show exceptional consideration for one accused person over another, but most of the judges now on the bench, it may be said with satisfaction, strive to be impartial in these cases, as well as in other matters.

The foremost railroad system of New England declares that the express companies must be more prompt in putting trunks and packages on board the trains or the cars will move away, leaving these burdens behind. This does not appear to be unreasonable, because certain express companies have been treating the railroad companies unfairly by trying to handle their business with a wholly insufficient force of men, and attempting to impose upon the railroad forces in that way.

The election of Alexander Agassiz of Cambridge, Mass., as president of the international zoological congress at Berne, Switzerland, was thoroughly deserved. That interesting and important body of scientific men is to meet in the United States next year, and its sessions will be followed with keen attention in every quarter of the republic.

The United States shipped to Europe the last year apples to the value of \$8,750,000, Great Britain being the chief customer. American apples of the best varieties are becoming more popular in Europe every year.

Lafe Pence should make sure there are no dishonored drafts outstanding in Utah before he makes another attack on Salt Lake. The Utah people made Lafe look about as small, financially, as a sixpence.

General Stoessel has made public his own obituary tribute, written by himself, and it does not lack the merit of brevity. Port Arthur will be the grave of many a gallant warrior.

Kuropatkin says he is in need of seasoned troops, in spite of the fact that the Japs have done their best to have the Russian soldiers well peppered.

The Journal assures us that dog-eaters will be imported for the 1905 fair. The man-eating contingent, however, will not be imported.

Scientists are now said to be looking for a substitute for butter. They should conduct their investigations in a boarding-house.

Judge Parker does not want to go on the stump. But he seems to be willing to write an occasional letter.

HAPPY WOMEN

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POLITICS IN BROOKLYN.

McCarren Carried 16 Out of the 21 Districts.

New York, Aug. 30.—Both the republican and democrat parties held primaries in New York city today, but the interest centered in the democratic contest in Brooklyn, where Senator P. H. McCarren and Deputy Fire Commissioner Doyle, the latter the representative of Charles F. Murphy, the Tammany leader, fought. It was conceded that McCarren sympathizers could carry a majority of the Brooklyn district. McCarren did carry 16 out of 21 assembly districts, but the Doyle men took the other five. It is said in political circles tonight that McCarren is disappointed that Doyle carried even five districts and he expected to sweep Brooklyn and dig away with Doyle and with Tammany influence. Tammany is elated at the result. In Manhattan and Bronx there were practically no changes in leadership in the various districts. William Devery was badly defeated in the ninth district.

In Brooklyn McCarren claims the primaries give him practically a clean sweep of Kings county.

Big Coal Dealer Fails.

Chicago, Aug. 30.—William S. Preston, a coal dealer, has filed a petition in voluntary bankruptcy. He schedules \$53,030 liabilities and \$305 in assets.

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6:10 p.m.	way points	10:30 p.m.
		15:50 p.m.

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8:15 a.m.		7:40 a.m.
11:30 a.m.	for Warrenton,	10:30 a.m.
11:35 a.m.	Hammond, Ft.	4:00 p.m.
5:50 p.m.	Stevens, Seaside	5:50 p.m.
15:55 p.m.		

Leave	SEASIDE	Arrive
6:15 a.m.	for Warrenton Ft.	9:25 a.m.
9:40 a.m.	Stevens, Ham-	12:30 p.m.
2:30 p.m.	mond, Astoria	1:30 p.m.
5:00 p.m.	Flavel	7:20 p.m.
		16:50 p.m.

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